



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM::HYDERABAD::32
FACTORY CIVIL ENGINEERING DEPARTMENT

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-04/2013-14, Dt: 19.06.2013

PRICE BID

Item no.: 5

Name of work: Repairs – Maintenance of roads in Factory area.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Providing, laying, spreading and compacting graded stone aggregate (size range 53mm to 0.75mm) to wet mix meccadam (WMM) specification including premixing the material with water at OMC in mechanical mixer plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub base / base coarse on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions to Engineer-in-charge.	6.00	Cu.m	1,960.60	11,763.60
2	Providing and laying Bitumen Macadam on prepared surface for Pot holes with specified graded crushed stone aggregate for profile corrective base/binder course including loading of aggregates with F.E. loader , hot mixing of stone aggregates and bitumen in hot mix plant , transporting the mixed material by tippers to paver and laying the mixed material with paver finisher fitted with electronic sensing device to the required level and grade and rolling with road rollers, as per Morth specification to achieve the desired density and compaction and including the cost of primer / tack coat - 50 mm / 75 mm average compaction thickness with bitumen of 60/70 grade @ 3.5 % (percentage by weight of total mix) etc., complete as directed by Engineer-in-charge.	40.00	Cu.m	6,088.97	2,43,558.80
3	Providing and applying tack coat using bitumen emulsion (rapid setting) complying with IS 8887 - 1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specification on Bituminous surface @ 0.5 Kg/ Sq.m etc., complete as directed by Engineer-in-charge.	800.00	Sq.m	32.93	26,344.00
4	Providing and applying tack coat using bitumen emulsion (rapid setting) complying with IS 8887 - 1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specification on WBM @ 0.75 kg/Sq.m etc., complete as directed by Engineer-in-charge.	10.00	Sq.m	39.63	396.30

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
5	2.5 Cm premix carpet surfacing with 2.25 Cu.m and 1.12 Cu.m of stone chipping of 13.2 mm and 11.20 mm size respectively per 100 sq.m and 52 Kg and 56 kg of hot bitumen per cu.m of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen from hot mix plant including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid separately) with paving Asphalt 80 /100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	1,000.00	Sq.m	138.22	1,38,220.00
6	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retain on 180 micron sieve) with bitumen using 128 Kg of bitumen of grade 80/100 bitumen per cu.m of fine aggregate and 0.60 Cu.m of fine aggregate per 100 Sq.m of road surface including rolling and finishing with road roller etc., complete as directed by Engineer-in-charge.	1,000.00	Sq.m	53.05	53,050.00
7	Scarifying metaled (water - Bound) road surface including disposal of rubbish lead upto 50 m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10 tonnes capacity etc., complete as directed by Engineer-in-charge.	100.00	sq.m	6.45	645.00
8	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1000 metres (By mechanical means) etc., complete as directed by Engineer-in-charge.	100.00	sq.m	2.60	260.00
9	Supply and stacking of graded stone aggregate at site of size range of 63 mm to 45 mm in two layers of 100 mm thick etc., complete as directed by Engineer-in-charge.	20.00	Cu.m	768.45	15,369.00
10	Supply and stacking of morrum at site etc., complete as directed by Engineer-in-charge.	10.00	Cu.m	421.85	4,218.50
11	Laying water bound macadam 100 MM consolidated thickness with stone aggregate, stone screening and blinding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc., complete-base course with 63 mm to 45 mm size including stone screening 13.20mm size etc., complete as directed by Engineer-in-charge. (Payment for stone aggregate, screening and murram are to be paid separately)	25.00	Cu.m	192.55	4,813.75
12	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	2.00	Cu.m	582.68	1,165.36
13	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M etc., complete as directed by Engineer-in-charge.	40.00	Cu.m	103.40	4,136.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc., complete as directed by Engineer-in-charge**.	5.00	Cu.m	1,585.00	7,925.00
15	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete - 450mm dia R.C.C pipe etc., complete as directed by Engineer-in-charge.	5.00	RM	499.55	2,497.75
16	Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	40.00	Cu.M	56.41	2,256.40
17	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering, lead upto 50.00 m and lift upto 1.50 m etc., complete as directed by Engineer-in-charge.	40.00	Cu.M	45.70	1,828.00
18	Cutting road and making good the same including supply of extra quantities of materials i.e., aggregate, moorum, screening, red bajri and labour required for bitumen portion etc., complete as directed by Engineer-in-charge.	5.00	Cu.m	1,081.80	5,409.00
	Total value of work			₹	5,23,856.46
Total : ₹ Five lakhs twenty three thousand eight hundred fifty six and forty six paise only					

Note:

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		